

Courage to Soar			
1997 Mathematics			
Learning Standards			
Illinois Mathematics			
Grades K-3			
Activity/Lesson	State	Standards	
Soaring Higher	IL	MA.K-3.6.B.1	Solve one- and two-step problems with whole numbers using addition, subtraction, multiplication and division.
Soaring Higher	IL	MA.K-3.6.D.1	Solve problems using comparison of quantities, ratios, proportions and percents. Compare the numbers of objects in groups.
Soaring Higher	IL	MA.K-3.8.D.1	Find the unknown numbers in whole-number addition, subtraction, multiplication and division situations.
The Flight Timeline	IL	MA.K-3.6.D.1	Solve problems using comparison of quantities, ratios, proportions and percents. Compare the numbers of objects in groups.
The Flight Timeline	IL	MA.K-3.10.B.1b	Collect, organize and describe data using pictures, tallies, tables, charts or bar graphs.
Having the Right Stuff	IL	MA.K-3.6.D.1	Solve problems using comparison of quantities, ratios, proportions and percents. Compare the numbers of objects in groups.
Flying a Styrofoam Plane	IL	MA.K-3.7.B.1b	Compare estimated measures to actual measures taken with appropriate measuring instruments.
Flying a Styrofoam Plane	IL	MA.K-3.10.B.1a	Formulate questions of interest and design surveys or experiments to gather data.
Looking for Answers:A research project	IL	MA.K-3.10.B.1b	Collect, organize and describe data using pictures, tallies, tables, charts or bar graphs.
Controlling the Plane	IL	MA.K-3.10.B.1b	Collect, organize and describe data using pictures, tallies, tables, charts or bar graphs.
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1997 Mathematics			
Learning Standards			
Illinois Mathematics			
Grades 4-5			
Activity/Lesson	State	Standards	
Kite Flight	IL	MA.4-5.10.B.2a	Formulate questions of interest and select methods to systematically collect data.
Soaring Higher	IL	MA.4-5.6.A.2	Compare and order whole numbers, fractions and decimals using concrete materials, drawings and mathematical symbols.

Soaring Higher	IL	MA.4-5.6.B.2	Solve one- and two-step problems involving whole numbers, fractions and decimals using addition, subtraction, multiplication and division.
The Flight Timeline	IL	MA.4-5.6.A.2	Compare and order whole numbers, fractions and decimals using concrete materials, drawings and mathematical symbols.
The Flight Timeline	IL	MA.4-5.10.B.2b	Collect, organize and display data using tables, charts, bar graphs, line graphs, circle graphs, line plots and stem-and-leaf graphs.
Having the Right Stuff	IL	MA.4-5.6.A.2	Compare and order whole numbers, fractions and decimals using concrete materials, drawings and mathematical symbols.
Flying a Styrofoam Plane	IL	MA.4-5.7.A.2a	Calculate, compare and convert length, perimeter, area, weight/mass and volume within the customary and metric systems.
Looking for Answers:A research project	IL	MA.4-5.10.B.2a	Formulate questions of interest and select methods to systematically collect data.
Controlling the Plane	IL	MA.4-5.10.A.2b	Using a data set, determine mean, median, mode and range, with and without the use of technology.
Controlling the Plane	IL	MA.4-5.10.B.2c	Analyze the data using mean, median, mode and range, as appropriate, with or without the use of technology.